

Serial No. 10/619,119

Claim 1 (currently amended). An illumination device, comprising, in combination:

a) an elongated portable carrier including a housing and a longitudinally elongated window,

b) multiple LEDs carried to emit light toward and through the window,

c) and circuitry associated with the housing to supply electrical power to the LEDs, said circuitry incorporating resistor, capacitor and diode elements to reduce AC input voltage to a level or levels for supplying voltage to the LEDs,

d) said LEDs being located in two substantially parallel rows, the longitudinal spacing between adjacent LEDs in each row being at least about 1.75 centimeters, there being between 13 and 18 LEDs in each row, said LEDs electrically connected in series sequence,

e) ~~there being~~ an elongated substrate supporting the LEDs, the LEDs having terminals engaging edges of spaced planar electrical conductors on the substrate, the carrier being hollow and the substrate and LEDs located within the carrier, the substrate having edge mounting to the carrier,

Serial No. 10/619,119

f) and circuitry connected to the LEDs, said circuitry including a first branch having a first resistor connected in series with parallel connected first diodes which are reversely poled, said circuitry including a second branch having a second resistor connected in series with said diode elements having parallel connected second diodes which are reversely poled, the first branch operatively connected with one end of said sequence of LEDs, the second branch operatively connected with the opposite end of said sequence of LEDs via a voltage regulator.

Claims 2-7 (cancelled).

Claim 8 (previously presented). The combination of claim 1 wherein the carrier includes an elongated generally tubular body defining said window.

Claim 9 (original). The combination of claim 8 wherein said body comprises a transparent plastic tube.

Claim 10 (original). The combination of claim 8 including a sleeve fitting over one end portion of the body, said circuitry located in the body inwardly of said sleeve.

Serial No. 10/619,119

Claim 11 (original). The combination of claim 10 including a hook associated with the opposite end portion of the body.

Claim 12 (original). The combination of claim 1 wherein said carrier is generally tubular, and has an overall diameter of between 2 ½ and 4 centimeters.

Claim 13 (currently amended). The combination of claim 8 including ~~an~~ said elongated ~~LED-support~~ substrate extending within the tubular body, said LEDs facing said window, said body also supporting said circuitry.

Claim 14 (previously presented). The combination of claim 1 wherein said circuitry also includes a capacitor and a transient suppressor both connected across said branches.

Claim 15 (currently amended) The combination of claim 14 including a said voltage regulator connected between said ~~first~~ second branch and said ~~one~~ opposite end of the sequence of LEDs, said regulator carried by said substrate, inwardly of ~~said~~ a sleeve[[.]] fitting on an end portion of a tubular body.

Serial No. 10/619,119

Claim 16 (currently amended) The combination of claim 1 ~~wherein including the LEDs have terminals that project through the substrate and engage edgewise spaced planar electrical conductor areas on the back side of the substrate[[,]] the carrier having edge mounting in the carrier.~~

Claim 17 (new). An illumination device, comprising, in combination:

- a) an elongated portable carrier including a housing and a longitudinally elongated window,
- b) multiple LEDs carried to emit light toward and through the window,
- c) and circuitry associated with the housing to supply electrical power to the LEDs, said circuitry incorporating resistor, capacitor and diode elements to reduce AC input voltage to a level or levels for supplying voltage to the LEDs,
- d) said LEDs being located in two substantially parallel rows, there being between 13 and 18 LEDs in each row, said LEDs electrically connected in series sequence,
- e) an elongated substrate supporting the LEDs, the LEDs having terminals engaging edges of spaced planar electrical conductors on the substrate,

Serial No. 10/619,119

the carrier being hollow and the substrate and LEDs located within the carrier, the substrate having edge mounting to the carrier,

f) and circuitry connected to the LEDs, said circuitry including a first branch having a first resistor connected in series with parallel connected first diodes which are reversely poled, said circuitry including a second branch having a second resistor connected in series with said diode elements having parallel connected second diodes which are reversely poled, the first branch operatively connected with one end of said sequence of LEDs, the second branch operatively connected with the opposite end of said sequence of LEDs via a voltage regulator.